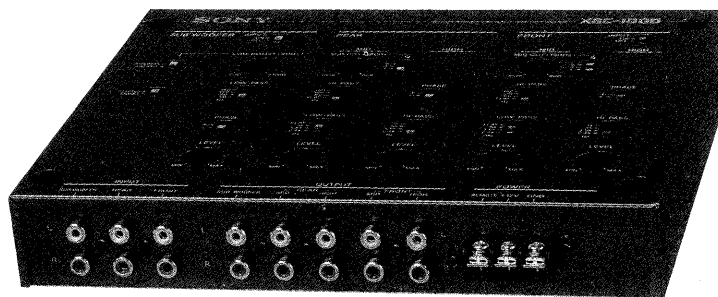


XEC-1000

SERVICE MANUAL

*US Model
Canadian Model
E Model
AEP Model*



SPECIFICATIONS

Crossover frequency	Mid FLAT, 80, 120, 180 Hz, 2.4 k, 3.5 k, 5 kHz High 2.4 k, 3.5 k, 5 k, 7 kHz Sub 50, 80, 120, 180 Hz
Gain	0 dB +6 dB (Sub-woofer)
Harmonic distortion	less than 0.003%
Signal-to-noise ratio	more than 105 dB
Crosstalk	more than 80 dB
Frequency response	3 Hz to 150 kHz (± 3 dB)
Crossover slope	-12 dB/oct -18 dB/oct (Sub-woofer)
Mid cut	-10 dB to 0 dB (180 Hz) Q = 1, 3, 6
Maximum output level	+12 dB
Bass boost	0 to +10 dB (40 Hz)

General

Inputs	Remote control input Power input Line input (phono jack 6)
Outputs	Line outputs (phono jack 10)
Power requirements	12 V DC car battery (negative ground)
Current drain	220 mA
Mounting dimensions	Approx. 260 × 40 × 200 mm (w/h/d) (10 $\frac{1}{4}$ × 1 $\frac{5}{8}$ × 7 $\frac{7}{8}$ inches)
Weight	Approx. 1.8 kg (3 lb 15 oz)
Accessories supplied	Mounting screws (4) Power connector cover (1)

Features

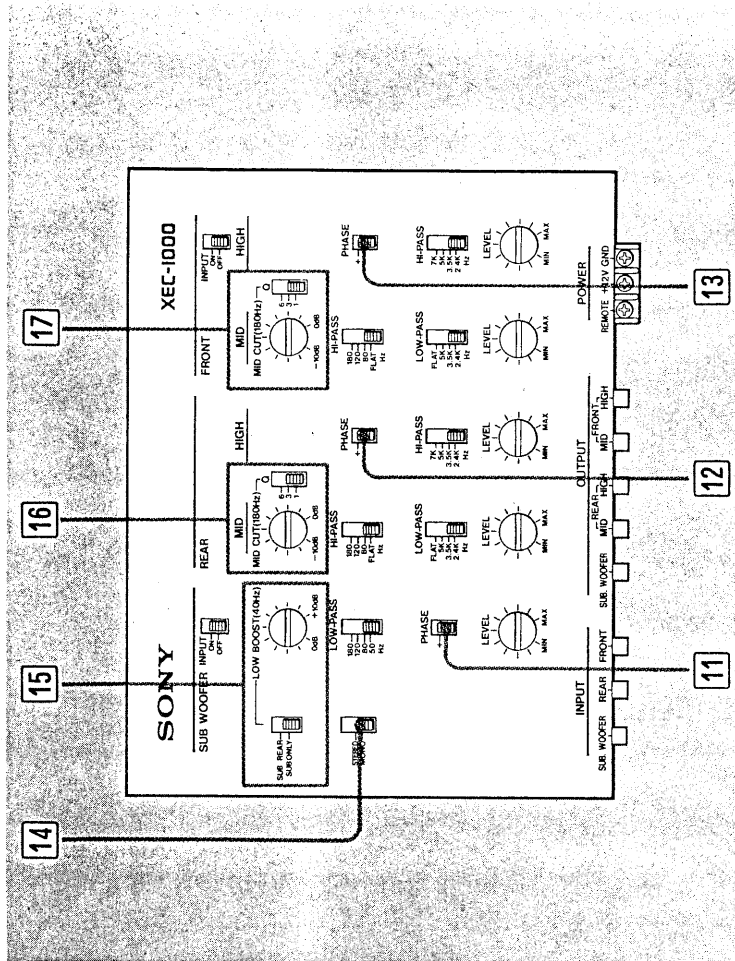
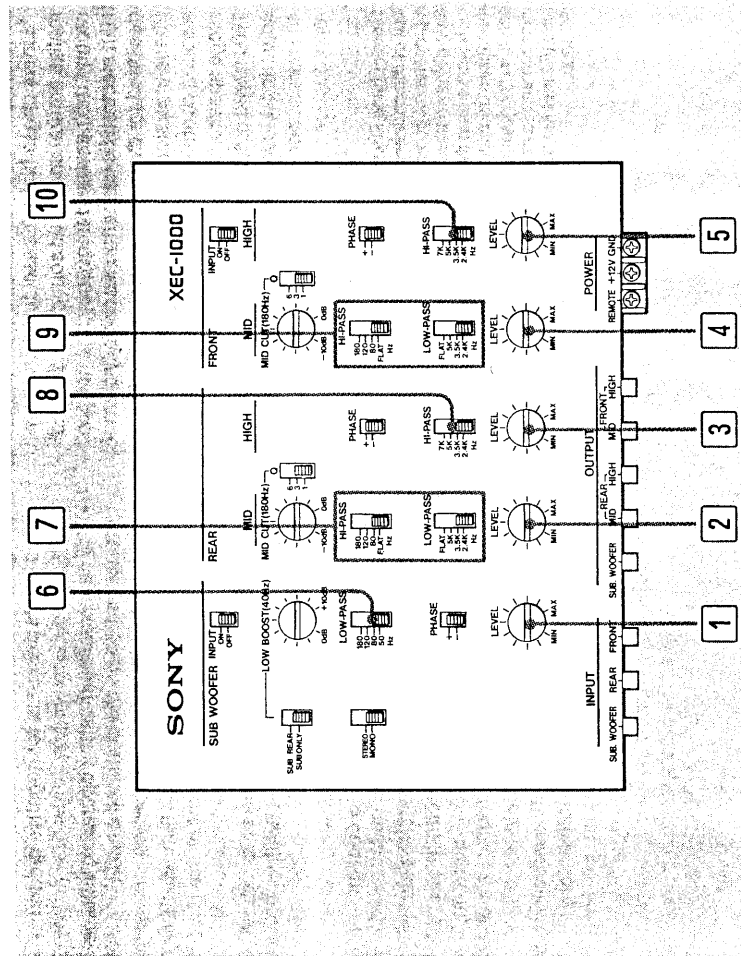
- * Linear phase filters (Bessel function type) realize natural and equal sound levels in and around the passband frequency.
- Hi-fi electrolytic capacitors especially designed for dynamic sound reproduction
- Phase inversion switches for checking easily a sound continuity between mid and high range speakers
- 180 Hz mid cut controls with Q switches for adjusting a low and mid-low sound
- 40 Hz bass boost control for dynamic bass reproduction

* Linear phase filters (Bessel function type)
Most of the channel dividers currently available employ flat response filters (Butterworth type). The group delay characteristic of this type of filters is much worse than that of the linear phase filters, and this causes transient distortion in the audio signals at each filter's crossover frequency. To reduce that distortion and to obtain hi-fi sound, linear phase filters (Bessel function type) are used for the XEC-1000.

ELECTRONIC CROSSOVER NETWORK
SONY®

SECTION 1 GENERAL

1-1 LOCATION AND FUNCTION OF CONTROLS



- 1 SUB-WOOFER output level control
- 2 REAR MID output level control
- 3 REAR HIGH output level control
- 4 FRONT MID output level control
- 5 FRONT HIGH output level control
- 6 SUB-WOOFER crossover point selector
- 7 REAR MID crossover point selector
- 8 REAR HIGH crossover point selector
- 9 FRONT MID crossover point selector
- 10 FRONT HIGH crossover point selector

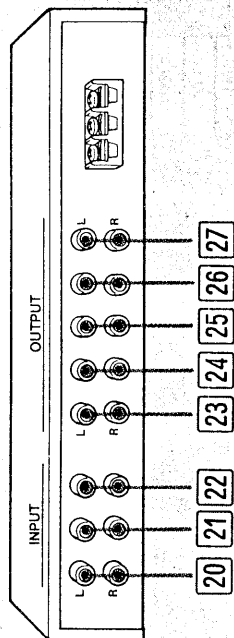
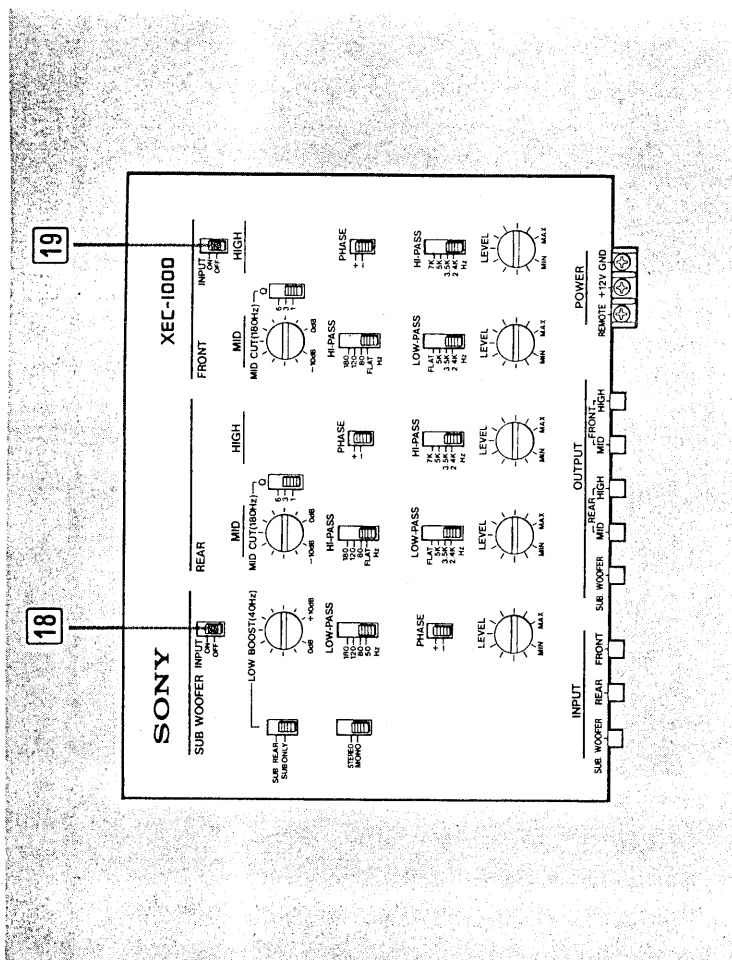
- 11 SUB-WOOFER phase inversion switch
 - 12 REAR HIGH phase inversion switch
 - 13 FRONT HIGH phase inversion switch
 - 14 SUB-WOOFER STEREO/MONO selector
- These switches invert an phase between the speakers. Use them when you feel a bad sound continuity between the mid and high ranges.
- Set the selector to MONO to make SUB-WOOFER output monaural. When you use the SUB-WOOFER output as monaural, do not set the SUB-WOOFER crossover point selector to 180 Hz. The balance of sound reproduction may be affected if you do so.

- 15 LOW BOOST control
 - 16 REAR MID CUT control
 - 17 FRONT MID CUT control
- Frequencies around 40 Hz can be boosted at the maximum of 10 dB. You can choose whether the low boost works towards SUB-WOOFER output only or it works towards both SUB-WOOFER and REAR outputs. When you want to make it work only for SUB-WOOFER output, set the switch located on the left side of the control to the SUB ONLY position. Set the switch to SUB & REAR when you make it work towards both SUB-WOOFER and REAR outputs.

- 16 REAR MID CUT control
 - 17 FRONT MID CUT control
- Frequencies around 180 Hz can be cut at the maximum of -10 dB. You can also select *Q factor value (1, 3, 6) with Q switch.

E0135T

* Q (Q factor of resonant circuits)
In general, Q represents the sharpness of a resonant circuit filter. The lower the Q, the more slowly the signal level changes as the applied frequency is moved away from resonance. As contrasted with this, the higher the Q, the more quickly the signal level changes. In this unit, the Q represents a mid-cut frequency bandwidth. When you set the Q switch to a higher value position, the narrower the frequency bandwidth will be selected.



18 SUB-WOOFER INPUT selector

When you connect the head unit with the sub-woofer output connector, set the selector to ON. The input signal from the SUB-WOOFER input connector flows out to the SUB-WOOFER output connector. When you use the unit which has no sub-woofer output connector (when your unit is connected to only FRONT and REAR input connectors of the XEC-1000), set the selector to OFF. In this case, the summation of the front and rear input signals is output from the SUB-WOOFER output connector.

19 FRONT INPUT selector

When you set this selector to ON, the input signal from the FRONT input connectors flows out to the FRONT output connectors. When you set it to the OFF position, the FRONT output signal is to be the REAR input signal. If your head unit has only one pre-amplifier output, set the selector to the OFF position.

This unit's flexibility is derived from these two input selectors, for combination of these selectors allows you to construct various types of systems, regardless of the number of pre-amplifier output connectors that your head unit has, the number of the power amplifier you can use, and so on. For details on the combination of input selectors, refer to the examples of system configuration shown in the following pages and to the block diagram.

20 SUB-WOOFER input connectors (L/R)

21 REAR input connectors (L/R)

22 FRONT input connectors (L/R)

23 SUB-WOOFER output connectors (L/R)

24 REAR MID output connectors (L/R)

25 REAR HIGH output connectors (L/R)

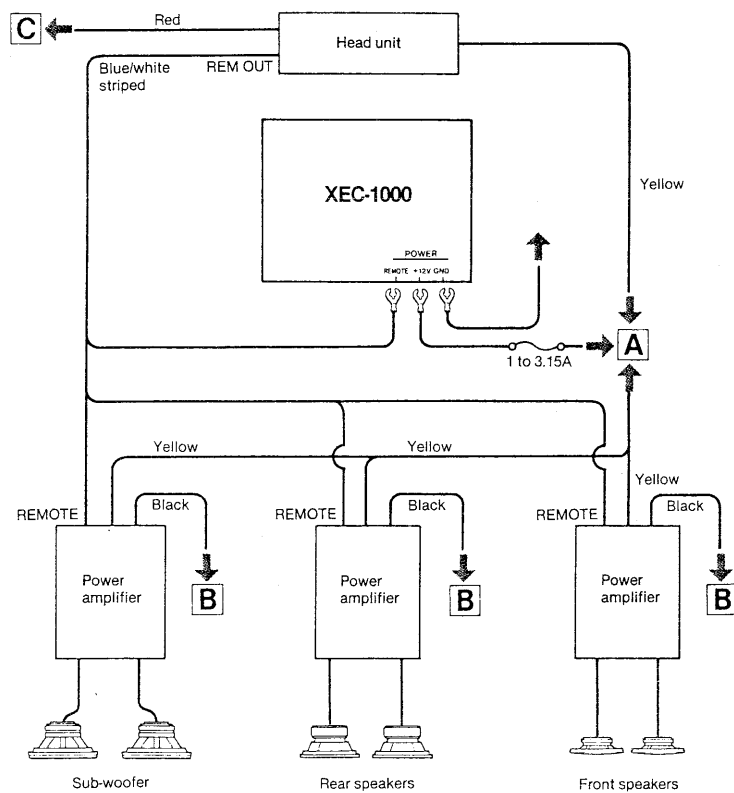
26 FRONT MID output connectors (L/R)

27 FRONT HIGH output connectors (L/R)

SECTION 2

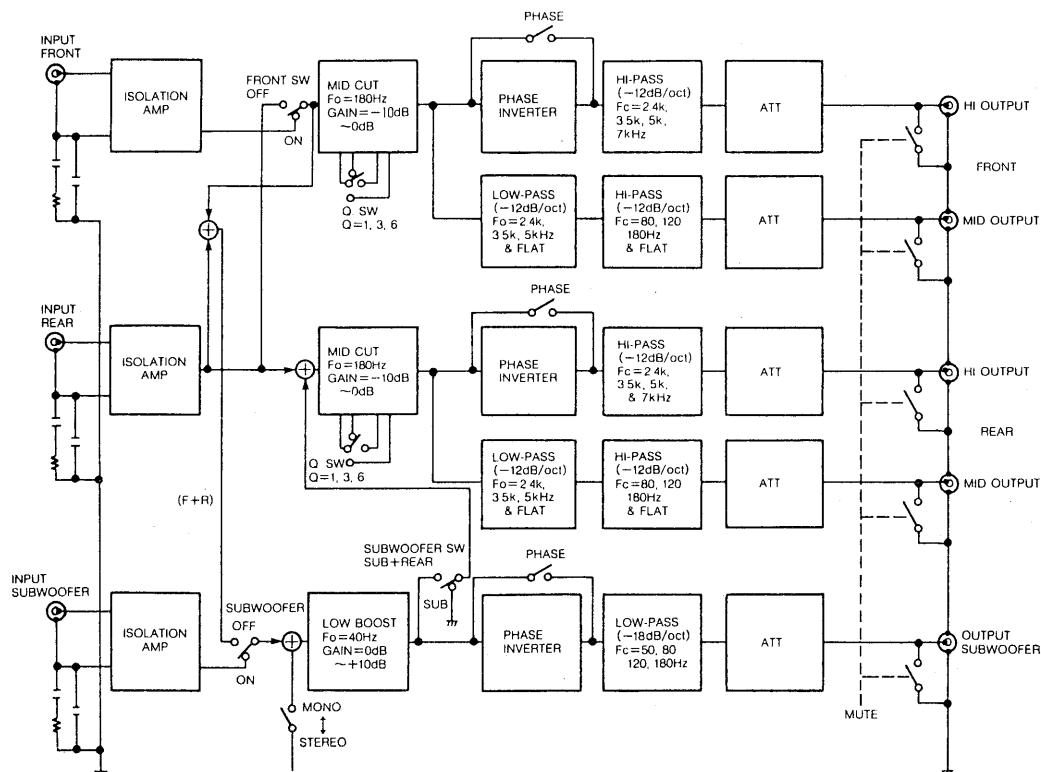
OUTLINE

2-1. POWER CONNECTION EXAMPLE



- A** To the $\oplus$ (positive) terminal of the car battery
- B** To the metal part of the car
- C** To the $\oplus$ (positive) terminal which is energized when the ignition key is turned in the accessory position

2-2. BLOCK DIAGRAM



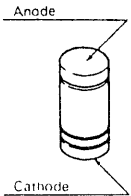
SECTION 3
DIAGRAMS

•Semiconductor Lead Layouts

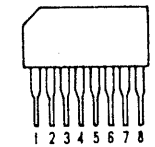
•Semiconductor Locations

RLZ-J15B
RLZ-J3.9B
RLZ-J7.5B
RLZ-J5.6C
DLS-1585

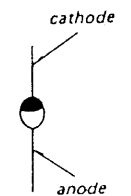
UPC4570HA-1



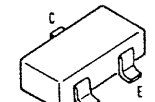
M5218L



DSA1A2

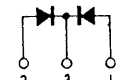
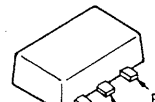


2SC3624-L18
2SD1030
DTA114EK
2SC1622A
2SC1623
2SA1162



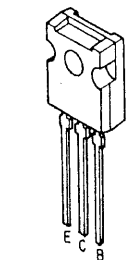
1S2837

2SB1115A

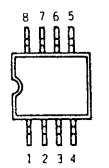


2SB1142

GL2PG5

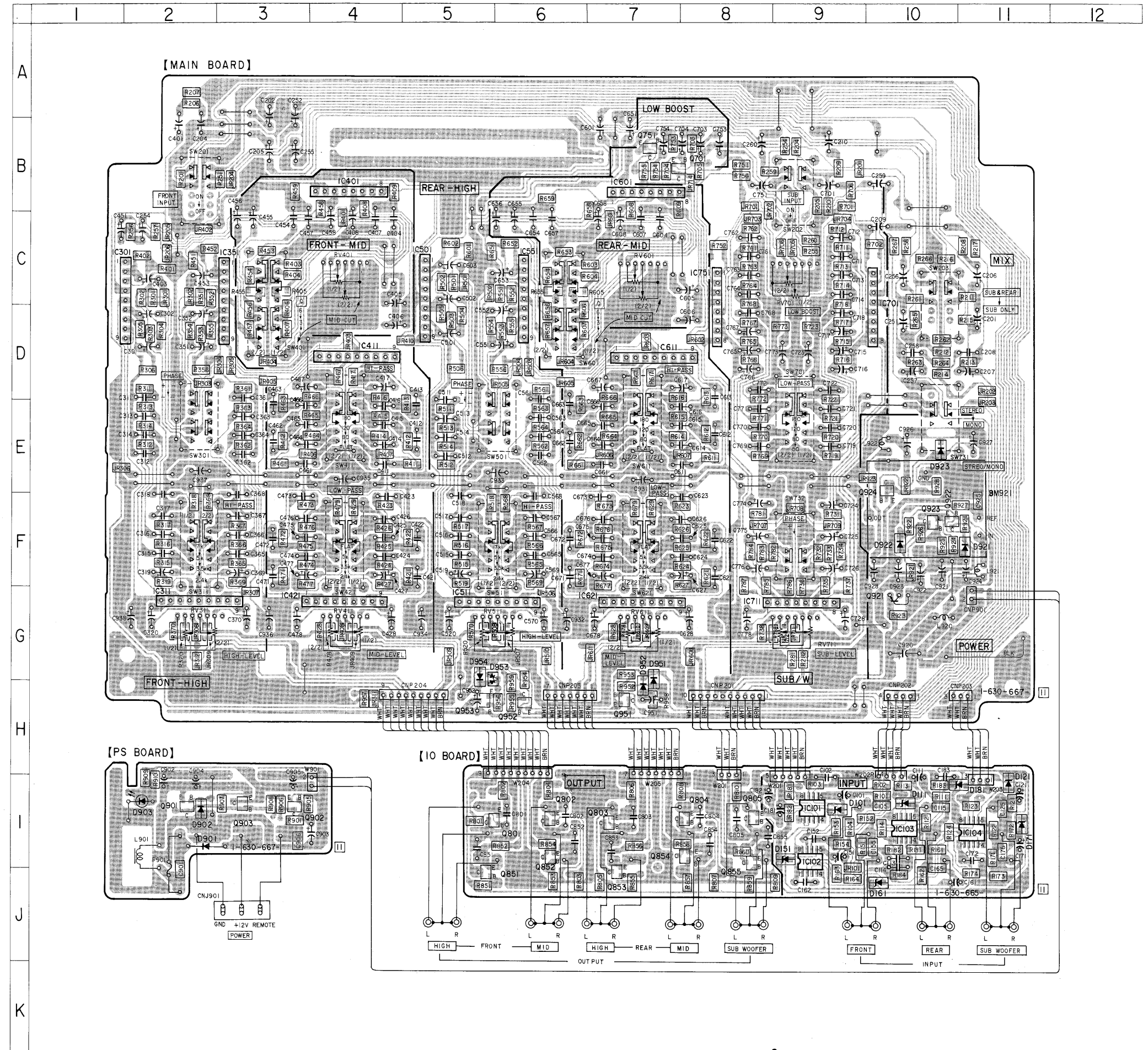


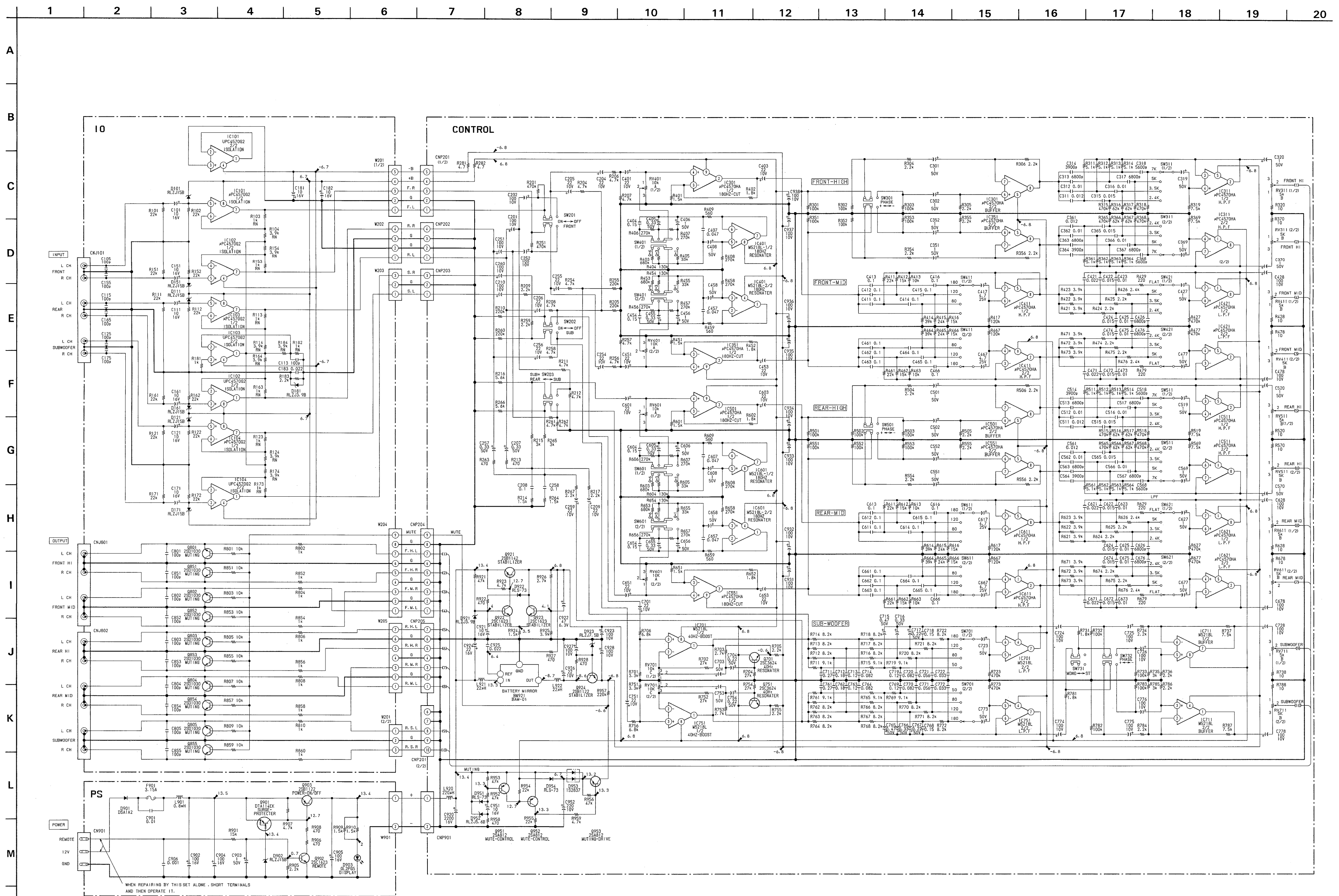
UPC4570G2



(TOP VIEW)

Ref. No.	Location
D101	I-9
D111	I-10
D121	I-11
D151	J-8
D161	J-9
D171	I-11
D181	I-10
D901	I-2
D902	I-2
D903	I-1
D921	F-10
D922	F-9
D923	E-10
D951	H-7
D952	H-7
D953	H-5
D954	H-5
IC101	I-9
IC102	J-8
IC103	I-10
IC104	I-10
IC301	C-1
IC311	G-2
IC351	C-2
IC401	C-4
IC411	D-4
IC421	G-3
IC501	C-4
IC511	G-5
IC551	C-5
IC601	C-7
IC611	D-7
IC621	G-6
IC701	D-9
IC711	G-8
IC751	D-7
Q701	B-7
Q751	B-7
Q801	I-5
Q802	I-6
Q803	I-6
Q804	I-7
Q805	I-8
Q851	J-5
Q852	J-6
Q853	J-6
Q854	J-7
Q855	J-8
Q901	I-2
Q902	I-3
Q903	I-2
Q921	G-9
Q922	F-10
Q923	F-10
Q924	F-9
Q951	H-6
Q952	H-5
Q953	H-5





SECTION 4

EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
(RED) ... KNOB, BALANCE (WHITE)

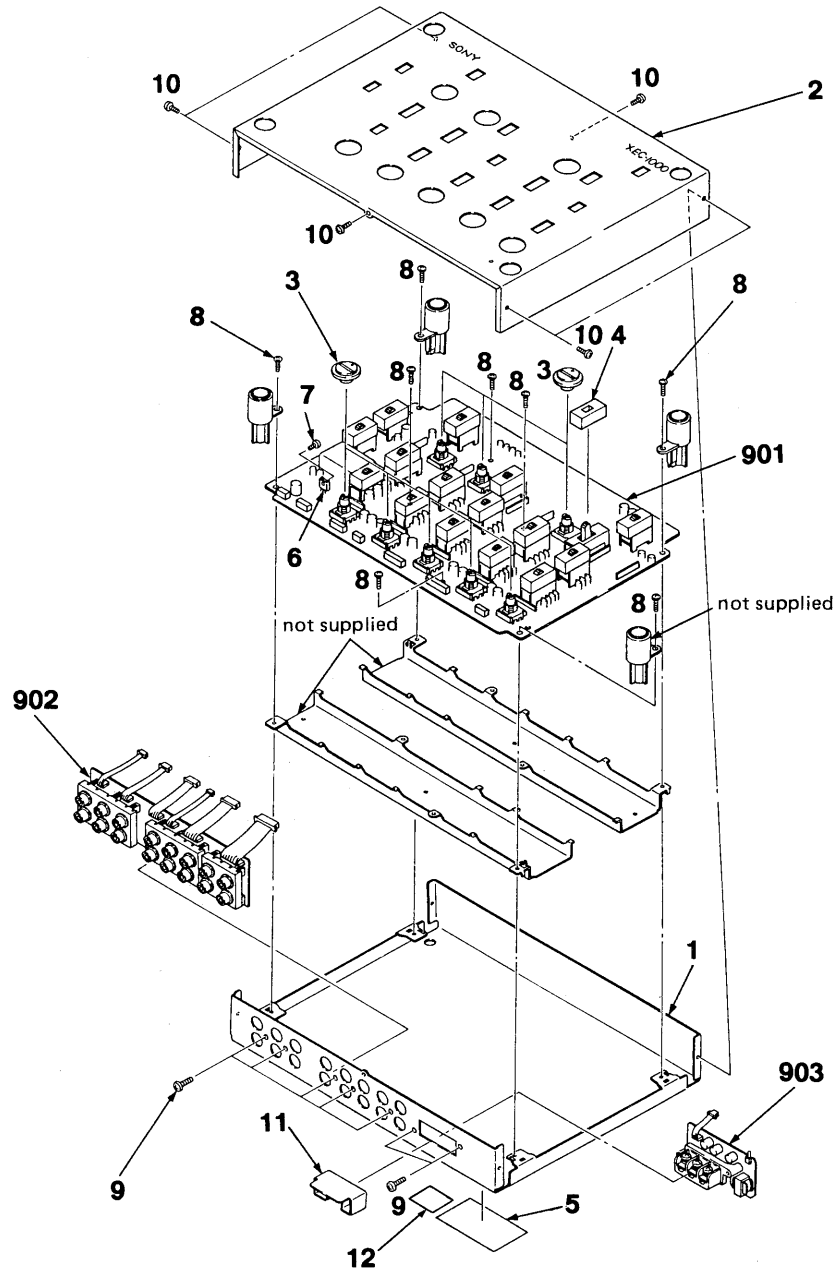
↑
Cabinet's Color

↑
Parts' Color

The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

1. GENERAL



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	*3-350-751-01	CASE (LOWER)		6	*3-339-932-01	STOPPER	
2	3-350-752-01	CASE (UPPER)		7	7-682-547-04	SCREW +P 3X6	
3	3-350-753-01	KNOB (VR)		8	7-685-793-01	SCREW +PTT 2.6X8 (S)	
4	3-350-749-01	COVER (SW)		9	7-685-647-79	SCREW +BTP 3X10 TYPE2 N-S	
5	*3-350-745-01	(US).....LABEL, MODEL NUMBER		10	7-621-773-95	SCREW +B 2.6X6	
	*3-350-746-01	(Canadian)...LABEL, MODEL NUMBER		11	3-350-748-01	COVER (CONNECTOR)	
	*3-350-757-01	(E,AEP).....LABEL, MODEL NUMBER		12	*3-350-758-01	(E,AEP)....LABEL, DBP MARK(S)	
				901	*A-3260-977-A	MOUNTED PCB, MAIN	
				902	*A-3279-857-A	MOUNTED PCB, IO	
				903	*1-630-666-11	PC BOARD, PS	

SECTION 5

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
901	*A-3260-977-A	MOUNTED PCB, MAIN	C317	1-130-481-00	MYLAR 0.0068MF 5% 50V
902	*A-3279-857-A	MOUNTED PCB, IO	C318	1-130-480-00	MYLAR 0.0056MF 5% 50V
903	*1-630-666-11	PC BOARD, PS	C319	1-126-301-11	ELECT 1MF 20% 50V
BM921	A-3215-513-A	B.M ASSY (DC-DC CONVERTER)	C320	1-126-301-11	ELECT 1MF 20% 50V
C101	1-126-282-11	ELECT 10MF 20% 16V	C351	1-126-301-11	ELECT 1MF 20% 50V
C105	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C352	1-126-301-11	ELECT 1MF 20% 50V
C111	1-126-282-11	ELECT 10MF 20% 16V	C361	1-130-484-00	MYLAR 0.012MF 5% 50V
C113	1-102-106-00	CERAMIC 100PF 10% 50V	C362	1-130-483-00	MYLAR 0.01MF 5% 50V
C115	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C363	1-130-481-00	MYLAR 0.0068MF 5% 50V
C121	1-126-282-11	ELECT 10MF 20% 16V	C364	1-130-478-00	MYLAR 0.0039MF 5% 50V
C125	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C365	1-130-485-00	MYLAR 0.015MF 5% 50V
C151	1-126-282-11	ELECT 10MF 20% 16V	C366	1-130-483-00	MYLAR 0.01MF 5% 50V
C155	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C367	1-130-481-00	MYLAR 0.0068MF 5% 50V
C161	1-126-282-11	ELECT 10MF 20% 16V	C368	1-130-480-00	MYLAR 0.0056MF 5% 50V
C165	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C369	1-126-301-11	ELECT 1MF 20% 50V
C171	1-126-282-11	ELECT 10MF 20% 16V	C370	1-126-301-11	ELECT 1MF 20% 50V
C175	1-163-181-00	CERAMIC MELF 100PF 10% 50V	C401	1-126-274-11	ELECT 22MF 20% 10V
C181	1-126-282-11	ELECT 10MF 20% 16V	C403	1-126-274-11	ELECT 22MF 20% 10V
C182	1-126-282-11	ELECT 10MF 20% 16V	C404	1-136-743-11	FILM 0.15MF 5% 50V
C183	1-130-487-00	MYLAR 0.022MF 5% 50V	C405	1-126-299-11	ELECT 0.33MF 20% 50V
C201	1-126-277-11	ELECT 100MF 20% 10V	C406	1-126-301-11	ELECT 1MF 20% 50V
C202	1-126-277-11	ELECT 100MF 20% 10V	C407	1-136-834-11	FILM 0.047MF 5% 50V
C204	1-126-274-11	ELECT 22MF 20% 10V	C408	1-126-301-11	ELECT 1MF 20% 50V
C205	1-126-274-11	ELECT 22MF 20% 10V	C411	1-136-742-11	FILM 0.1MF 5% 50V
C206	1-126-274-11	ELECT 22MF 20% 10V	C412	1-136-742-11	FILM 0.1MF 5% 50V
C207	1-126-299-11	ELECT 0.33MF 20% 50V	C413	1-136-742-11	FILM 0.1MF 5% 50V
C208	1-136-742-11	FILM 0.1MF 5% 50V	C414	1-136-742-11	FILM 0.1MF 5% 50V
C209	1-126-274-11	ELECT 22MF 20% 10V	C415	1-136-742-11	FILM 0.1MF 5% 50V
C210	1-126-277-11	ELECT 100MF 20% 10V	C416	1-136-742-11	FILM 0.1MF 5% 50V
C251	1-126-277-11	ELECT 100MF 20% 10V	C417	1-126-288-11	ELECT 4.7MF 20% 25V
C252	1-126-277-11	ELECT 100MF 20% 10V	C421	1-130-487-00	MYLAR 0.022MF 5% 50V
C254	1-126-274-11	ELECT 22MF 20% 10V	C422	1-130-485-00	MYLAR 0.015MF 5% 50V
C255	1-126-274-11	ELECT 22MF 20% 10V	C423	1-130-483-00	MYLAR 0.01MF 5% 50V
C256	1-126-274-11	ELECT 22MF 20% 10V	C424	1-130-485-00	MYLAR 0.015MF 5% 50V
C257	1-126-299-11	ELECT 0.33MF 20% 50V	C425	1-130-483-00	MYLAR 0.01MF 5% 50V
C258	1-136-742-11	FILM 0.1MF 5% 50V	C426	1-130-481-00	MYLAR 0.0068MF 5% 50V
C259	1-126-274-11	ELECT 22MF 20% 10V	C427	1-126-301-11	ELECT 1MF 20% 50V
C260	1-126-277-11	ELECT 100MF 20% 10V	C428	1-126-277-11	ELECT 100MF 20% 10V
C301	1-126-301-11	ELECT 1MF 20% 50V	C451	1-126-274-11	ELECT 22MF 20% 10V
C302	1-126-301-11	ELECT 1MF 20% 50V	C453	1-126-274-11	ELECT 22MF 20% 10V
C311	1-130-484-00	MYLAR 0.012MF 5% 50V	C454	1-136-743-11	FILM 0.15MF 5% 50V
C312	1-130-483-00	MYLAR 0.01MF 5% 50V	C455	1-126-299-11	ELECT 0.33MF 20% 50V
C313	1-130-481-00	MYLAR 0.0068MF 5% 50V	C456	1-126-301-11	ELECT 1MF 20% 50V
C314	1-130-478-00	MYLAR 0.0039MF 5% 50V	C457	1-136-834-11	FILM 0.047MF 5% 50V
C315	1-130-485-00	MYLAR 0.015MF 5% 50V	C458	1-126-301-11	ELECT 1MF 20% 50V
C316	1-130-483-00	MYLAR 0.01MF 5% 50V			

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description				
C461	1-136-742-11	FILM	0.1MF	5%	50V		C625	1-130-483-00	MYLAR	0.01MF	5%	50V	
C462	1-136-742-11	FILM	0.1MF	5%	50V		C626	1-130-481-00	MYLAR	0.0068MF	5%	50V	
C463	1-136-742-11	FILM	0.1MF	5%	50V		C627	1-126-301-11	ELECT	1MF	20%	50V	
C464	1-136-742-11	FILM	0.1MF	5%	50V		C628	1-126-277-11	ELECT	100MF	20%	10V	
C465	1-136-742-11	FILM	0.1MF	5%	50V		C651	1-126-274-11	ELECT	22MF	20%	10V	
C466	1-136-742-11	FILM	0.1MF	5%	50V		C653	1-126-274-11	ELECT	22MF	20%	10V	
C467	1-126-288-11	ELECT	4.7MF	20%	25V		C654	1-136-743-11	FILM	0.15MF	5%	50V	
C471	1-130-487-00	MYLAR	0.022MF	5%	50V		C655	1-126-299-11	ELECT	0.33MF	20%	50V	
C472	1-130-485-00	MYLAR	0.015MF	5%	50V		C656	1-126-301-11	ELECT	1MF	20%	50V	
C473	1-130-483-00	MYLAR	0.01MF	5%	50V		C657	1-136-834-11	FILM	0.047MF	5%	50V	
C474	1-130-485-00	MYLAR	0.015MF	5%	50V		C658	1-126-301-11	ELECT	1MF	20%	50V	
C475	1-130-483-00	MYLAR	0.01MF	5%	50V		C661	1-136-742-11	FILM	0.1MF	5%	50V	
C476	1-130-481-00	MYLAR	0.0068MF	5%	50V		C662	1-136-742-11	FILM	0.1MF	5%	50V	
C477	1-126-301-11	ELECT	1MF	20%	50V		C663	1-136-742-11	FILM	0.1MF	5%	50V	
C478	1-126-277-11	ELECT	100MF	20%	10V		C664	1-136-742-11	FILM	0.1MF	5%	50V	
C501	1-126-301-11	ELECT	1MF	20%	50V		C665	1-136-742-11	FILM	0.1MF	5%	50V	
C502	1-126-301-11	ELECT	1MF	20%	50V		C666	1-136-742-11	FILM	0.1MF	5%	50V	
C511	1-130-484-00	MYLAR	0.012MF	5%	50V		C667	1-126-288-11	ELECT	4.7MF	20%	25V	
C512	1-130-483-00	MYLAR	0.01MF	5%	50V		C671	1-130-487-00	MYLAR	0.022MF	5%	50V	
C513	1-130-481-00	MYLAR	0.0068MF	5%	50V		C672	1-130-485-00	MYLAR	0.015MF	5%	50V	
C514	1-130-478-00	MYLAR	0.0039MF	5%	50V		C673	1-130-483-00	MYLAR	0.01MF	5%	50V	
C515	1-130-485-00	MYLAR	0.015MF	5%	50V		C674	1-130-485-00	MYLAR	0.015MF	5%	50V	
C516	1-130-483-00	MYLAR	0.01MF	5%	50V		C675	1-130-483-00	MYLAR	0.01MF	5%	50V	
C517	1-130-481-00	MYLAR	0.0068MF	5%	50V		C676	1-130-481-00	MYLAR	0.0068MF	5%	50V	
C518	1-130-480-00	MYLAR	0.0056MF	5%	50V		C677	1-126-301-11	ELECT	1MF	20%	50V	
C519	1-126-301-11	ELECT	1MF	20%	50V		C678	1-126-277-11	ELECT	100MF	20%	10V	
C520	1-126-301-11	ELECT	1MF	20%	50V		C701	1-126-274-11	ELECT	22MF	20%	10V	
C551	1-126-301-11	ELECT	1MF	20%	50V		C703	1-126-301-11	ELECT	1MF	20%	50V	
C552	1-126-301-11	ELECT	1MF	20%	50V		C704	1-126-298-11	ELECT	0.22MF	20%	50V	
C561	1-130-484-00	MYLAR	0.012MF	5%	50V		C711	1-136-839-11	FILM	0.27MF	5%	50V	
C562	1-130-483-00	MYLAR	0.01MF	5%	50V		C712	1-136-838-11	FILM	0.18MF	5%	50V	
C563	1-130-481-00	MYLAR	0.0068MF	5%	50V		C713	1-136-837-11	FILM	0.12MF	5%	50V	
C564	1-130-478-00	MYLAR	0.0039MF	5%	50V		C714	1-130-494-11	MYLAR	0.082MF	5%	50V	
C565	1-130-485-00	MYLAR	0.015MF	5%	50V		C715	1-126-300-11	ELECT	0.47MF	20%	50V	
C566	1-130-483-00	MYLAR	0.01MF	5%	50V		C716	1-126-299-11	ELECT	0.33MF	20%	50V	
C567	1-130-481-00	MYLAR	0.0068MF	5%	50V		C717	1-126-298-11	ELECT	0.22MF	20%	50V	
C568	1-130-480-00	MYLAR	0.0056MF	5%	50V		C718	1-136-743-11	FILM	0.15MF	5%	50V	
C569	1-126-301-11	ELECT	1MF	20%	50V		C719	1-136-837-11	FILM	0.12MF	5%	50V	
C570	1-126-301-11	ELECT	1MF	20%	50V		C720	1-130-494-11	MYLAR	0.082MF	5%	50V	
C601	1-126-274-11	ELECT	22MF	20%	10V		C721	1-130-492-11	MYLAR	0.056MF	5%	50V	
C603	1-126-274-11	ELECT	22MF	20%	10V		C722	1-130-489-00	MYLAR	0.033MF	5%	50V	
C604	1-136-743-11	FILM	0.15MF	5%	50V		C723	1-126-301-11	ELECT	1MF	20%	50V	
C605	1-126-299-11	ELECT	0.33MF	20%	50V		C724	1-126-277-11	ELECT	100MF	20%	10V	
C606	1-126-301-11	ELECT	1MF	20%	50V		C725	1-126-277-11	ELECT	100MF	20%	10V	
C607	1-136-834-11	FILM	0.047MF	5%	50V		C726	1-126-277-11	ELECT	100MF	20%	10V	
C608	1-126-301-11	ELECT	1MF	20%	50V		C728	1-126-277-11	ELECT	100MF	20%	10V	
C611	1-136-742-11	FILM	0.1MF	5%	50V		C751	1-126-274-11	ELECT	22MF	20%	10V	
C612	1-136-742-11	FILM	0.1MF	5%	50V		C753	1-126-301-11	ELECT	1MF	20%	50V	
C613	1-136-742-11	FILM	0.1MF	5%	50V		C754	1-126-298-11	ELECT	0.22MF	20%	50V	
C614	1-136-742-11	FILM	0.1MF	5%	50V		C761	1-136-839-11	FILM	0.27MF	5%	50V	
C615	1-136-742-11	FILM	0.1MF	5%	50V		C762	1-136-838-11	FILM	0.18MF	5%	50V	
C616	1-136-742-11	FILM	0.1MF	5%	50V		C763	1-136-837-11	FILM	0.12MF	5%	50V	
C617	1-126-288-11	ELECT	4.7MF	20%	25V		C764	1-130-494-11	MYLAR	0.082MF	5%	50V	
C621	1-130-487-00	MYLAR	0.022MF	5%	50V		C765	1-126-300-11	ELECT	0.47MF	20%	50V	
C622	1-130-485-00	MYLAR	0.015MF	5%	50V		C766	1-126-299-11	ELECT	0.33MF	20%	50V	
C623	1-130-483-00	MYLAR	0.01MF	5%	50V		C767	1-126-298-11	ELECT	0.22MF	20%	50V	
C624	1-130-485-00	MYLAR	0.015MF	5%	50V								

Ref.No.	Part No.	Description			
C768	1-136-743-11	FILM	0.15MF	5%	50V
C769	1-136-837-11	FILM	0.12MF	5%	50V
C770	1-130-494-11	MYLAR	0.082MF	5%	50V
C771	1-130-492-11	MYLAR	0.056MF	5%	50V
C772	1-130-489-00	MYLAR	0.033MF	5%	50V
C773	1-126-301-11	ELECT	1MF	20%	50V
C774	1-126-277-11	ELECT	100MF	20%	10V
C775	1-126-277-11	ELECT	100MF	20%	10V
C776	1-126-277-11	ELECT	100MF	20%	10V
C778	1-126-277-11	ELECT	100MF	20%	10V
C801	1-102-106-00	CERAMIC	100PF	10%	50V
C802	1-102-106-00	CERAMIC	100PF	10%	50V
C803	1-102-106-00	CERAMIC	100PF	10%	50V
C804	1-102-106-00	CERAMIC	100PF	10%	50V
C805	1-102-106-00	CERAMIC	100PF	10%	50V
C851	1-102-106-00	CERAMIC	100PF	10%	50V
C852	1-102-106-00	CERAMIC	100PF	10%	50V
C853	1-102-106-00	CERAMIC	100PF	10%	50V
C854	1-102-106-00	CERAMIC	100PF	10%	50V
C855	1-102-106-00	CERAMIC	100PF	10%	50V
C901	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C902	1-124-455-00	ELECT	100MF	20%	16V
C903	1-126-160-11	ELECT	1MF	20%	50V
C904	1-124-455-00	ELECT	100MF	20%	16V
C905	1-124-455-00	ELECT	100MF	20%	16V
C906	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C920	1-124-343-00	ELECT	2200MF	20%	16V
C921	1-126-157-11	ELECT	10MF	20%	16V
C922	1-126-154-11	ELECT	47MF	20%	6.3V
C923	1-126-277-11	ELECT	100MF	20%	10V
C924	1-124-234-00	ELECT	22MF	20%	16V
C925	1-163-063-00	CERAMIC MELF	0.022MF	25V	
C926	1-124-234-00	ELECT	22MF	20%	16V
C927	1-124-584-00	ELECT	100MF	20%	10V
C928	1-126-277-11	ELECT	100MF	20%	10V
C931	1-126-277-11	ELECT	100MF	20%	10V
C932	1-126-277-11	ELECT	100MF	20%	10V
C933	1-126-277-11	ELECT	100MF	20%	10V
C934	1-126-277-11	ELECT	100MF	20%	10V
C935	1-126-277-11	ELECT	100MF	20%	10V
C936	1-126-277-11	ELECT	100MF	20%	10V
C937	1-126-277-11	ELECT	100MF	20%	10V
C938	1-126-277-11	ELECT	100MF	20%	10V
C951	1-126-157-11	ELECT	10MF	20%	16V
C952	1-126-176-11	ELECT	220MF	20%	10V
CNJ101	1-563-022-21	JACK, PIN 6P			
CNJ801	1-507-909-21	JACK, PIN 4P (OUTPUT:FRONT)			
CNJ802	1-563-022-21	JACK, PIN 6P			
CNJ901	1-537-224-11	TERMINAL BOARD (POWER)			
CNP201*	1-506-992-11	PIN, CONNECTOR (PC BOARD) 10P			
CNP202*	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP203*	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
CNP204*	1-506-991-11	PIN, CONNECTOR (PC BOARD) 9P			
CNP205*	1-506-989-11	PIN, CONNECTOR (PC BOARD) 7P			
CNP901*	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
D101	8-719-973-71	DIODE RLZ-J15B			
D111	8-719-973-71	DIODE RLZ-J15B			
D121	8-719-973-71	DIODE RLZ-J15B			

Ref.No.	Part No.	Description			
D151	8-719-973-71	DIODE RLZ-J15B			
D161	8-719-973-71	DIODE RLZ-J15B			
D171	8-719-973-71	DIODE RLZ-J15B			
D181	8-719-971-83	DIODE RLZ-J3.9B			
D901	8-719-928-26	DIODE DSA1A2			
D902	8-719-973-71	DIODE RLZ-J15B			
D903	8-719-938-03	LED GL2PG5			
D921	8-719-971-83	DIODE RLZ-J3.9B			
D922	8-719-801-67	DIODE DLS1585			
D923	8-719-972-90	DIODE RLZ-J7.5B			
D951	8-719-801-67	DIODE DLS1585			
D952	8-719-971-98	DIODE RLZ-J5.6C			
D953	8-719-100-05	DIODE 1S2837			
D954	8-719-801-67	DIODE DLS1585			
F901	1-532-781-11	FUSE, MICRO (SECONDARY) 3.15A			
IC101	8-759-106-02	IC UPC4570G2			
IC102	8-759-106-02	IC UPC4570G2			
IC103	8-759-106-02	IC UPC4570G2			
IC104	8-759-106-02	IC UPC4570G2			
IC301	8-759-112-93	IC UPC4570HA-1			
IC311	8-759-112-93	IC UPC4570HA-1			
IC351	8-759-112-93	IC UPC4570HA-1			
IC401	8-759-600-02	IC M5218L			
IC411	8-759-112-93	IC UPC4570HA-1			
IC421	8-759-112-93	IC UPC4570HA-1			
IC501	8-759-112-93	IC UPC4570HA-1			
IC511	8-759-112-93	IC UPC4570HA-1			
IC551	8-759-112-93	IC UPC4570HA-1			
IC601	8-759-600-02	IC M5218L			
IC611	8-759-112-93	IC UPC4570HA-1			
IC621	8-759-112-93	IC UPC4570HA-1			
IC701	8-759-600-02	IC M5218L			
IC711	8-759-600-02	IC M5218L			
IC751	8-759-600-02	IC M5218L			
JR101	1-249-366-11	CARBON MELF	0	5%	1/5W
JR181	1-249-366-11	CARBON MELF	0	5%	1/5W
JR182	1-249-366-11	CARBON MELF	0	5%	1/5W
JR201	1-249-366-11	CARBON MELF	0	5%	1/5W
JR202	1-249-366-11	CARBON MELF	0	5%	1/5W
JR203	1-249-366-11	CARBON MELF	0	5%	1/5W
JR204	1-249-366-11	CARBON MELF	0	5%	1/5W
JR205	1-249-366-11	CARBON MELF	0	5%	1/5W
JR206	1-249-366-11	CARBON MELF	0	5%	1/5W
JR301	1-249-366-11	CARBON MELF	0	5%	1/5W
JR302	1-249-366-11	CARBON MELF	0	5%	1/5W
JR303	1-249-366-11	CARBON MELF	0	5%	1/5W
JR304	1-249-366-11	CARBON MELF	0	5%	1/5W
JR305	1-249-366-11	CARBON MELF	0	5%	1/5W
JR306	1-249-366-11	CARBON MELF	0	5%	1/5W
JR307	1-249-366-11	CARBON MELF	0	5%	1/5W
JR308	1-249-366-11	CARBON MELF	0	5%	1/5W
JR309	1-249-366-11	CARBON MELF	0	5%	1/5W
JR311	1-249-366-11	CARBON MELF	0	5%	1/5W
JR312	1-249-366-11	CARBON MELF	0	5%	1/5W
JR401	1-249-366-11	CARBON MELF	0	5%	1/5W

Ref.No.	Part No.	Description
JR402	1-249-366-11	CARBON MELF 0 5% 1/5W
JR403	1-249-366-11	CARBON MELF 0 5% 1/5W
JR404	1-249-366-11	CARBON MELF 0 5% 1/5W
JR405	1-249-366-11	CARBON MELF 0 5% 1/5W
JR406	1-249-366-11	CARBON MELF 0 5% 1/5W
JR407	1-249-366-11	CARBON MELF 0 5% 1/5W
JR408	1-249-366-11	CARBON MELF 0 5% 1/5W
JR409	1-249-366-11	CARBON MELF 0 5% 1/5W
JR410	1-249-366-11	CARBON MELF 0 5% 1/5W
JR501	1-249-366-11	CARBON MELF 0 5% 1/5W
JR502	1-249-366-11	CARBON MELF 0 5% 1/5W
JR503	1-249-366-11	CARBON MELF 0 5% 1/5W
JR504	1-249-366-11	CARBON MELF 0 5% 1/5W
JR505	1-249-366-11	CARBON MELF 0 5% 1/5W
JR506	1-249-366-11	CARBON MELF 0 5% 1/5W
JR507	1-249-366-11	CARBON MELF 0 5% 1/5W
JR508	1-249-366-11	CARBON MELF 0 5% 1/5W
JR509	1-249-366-11	CARBON MELF 0 5% 1/5W
JR510	1-249-366-11	CARBON MELF 0 5% 1/5W
JR601	1-249-366-11	CARBON MELF 0 5% 1/5W
JR602	1-249-366-11	CARBON MELF 0 5% 1/5W
JR603	1-249-366-11	CARBON MELF 0 5% 1/5W
JR604	1-249-366-11	CARBON MELF 0 5% 1/5W
JR605	1-249-366-11	CARBON MELF 0 5% 1/5W
JR606	1-249-366-11	CARBON MELF 0 5% 1/5W
JR607	1-249-366-11	CARBON MELF 0 5% 1/5W
JR608	1-249-366-11	CARBON MELF 0 5% 1/5W
JR609	1-249-366-11	CARBON MELF 0 5% 1/5W
JR610	1-249-366-11	CARBON MELF 0 5% 1/5W
JR611	1-249-366-11	CARBON MELF 0 5% 1/5W
JR701	1-249-366-11	CARBON MELF 0 5% 1/5W
JR702	1-249-366-11	CARBON MELF 0 5% 1/5W
JR703	1-249-366-11	CARBON MELF 0 5% 1/5W
JR704	1-249-366-11	CARBON MELF 0 5% 1/5W
JR705	1-249-366-11	CARBON MELF 0 5% 1/5W
JR706	1-249-366-11	CARBON MELF 0 5% 1/5W
JR707	1-249-366-11	CARBON MELF 0 5% 1/5W
JR708	1-249-366-11	CARBON MELF 0 5% 1/5W
JR709	1-249-366-11	CARBON MELF 0 5% 1/5W
JR711	1-249-366-11	CARBON MELF 0 5% 1/5W
JR712	1-249-366-11	CARBON MELF 0 5% 1/5W
JR714	1-249-366-11	CARBON MELF 0 5% 1/5W
JR921	1-249-366-11	CARBON MELF 0 5% 1/5W
JR922	1-249-366-11	CARBON MELF 0 5% 1/5W
JR923	1-249-366-11	CARBON MELF 0 5% 1/5W
L901	1-424-233-11	COIL, CHOKE
L920	1-421-976-11	COIL, CHOKE 220UH
L921	1-421-635-00	COIL, CHOKE
L922	1-421-635-00	COIL, CHOKE
Q701	8-729-107-43	TRANSISTOR 2SC3624-L18
Q751	8-729-107-43	TRANSISTOR 2SC3624-L18
Q801	8-729-400-76	TRANSISTOR 2SD1030
Q802	8-729-400-76	TRANSISTOR 2SD1030
Q803	8-729-400-76	TRANSISTOR 2SD1030
Q804	8-729-400-76	TRANSISTOR 2SD1030
Q805	8-729-400-76	TRANSISTOR 2SD1030
Q851	8-729-400-76	TRANSISTOR 2SD1030
Q852	8-729-400-76	TRANSISTOR 2SD1030

Ref.No.	Part No.	Description
Q853	8-729-400-76	TRANSISTOR 2SD1030
Q854	8-729-400-76	TRANSISTOR 2SD1030
Q855	8-729-400-76	TRANSISTOR 2SD1030
Q901	8-729-901-04	TRANSISTOR DTA114EK
Q902	8-729-103-16	TRANSISTOR 2SC1622A
Q903	8-729-106-60	TRANSISTOR 2SB1115A
Q921	8-729-804-86	TRANSISTOR 2SB1142
Q922	8-729-100-66	TRANSISTOR 2SC1623
Q923	8-729-100-66	TRANSISTOR 2SC1623
Q924	8-729-106-60	TRANSISTOR 2SB1115A
Q951	8-729-216-22	TRANSISTOR 2SA1162
Q952	8-729-216-22	TRANSISTOR 2SA1162
Q953	8-729-216-22	TRANSISTOR 2SA1162
R101	1-249-433-11	CARBON MELF 22K 5% 1/5W
R102	1-249-433-11	CARBON MELF 22K 5% 1/5W
R103	1-218-397-11	METAL 1K 0.25% 1/8W
R104	1-218-411-11	METAL 3.9K 0.25% 1/8W
R111	1-249-433-11	CARBON MELF 22K 5% 1/5W
R112	1-249-433-11	CARBON MELF 22K 5% 1/5W
R113	1-218-397-11	METAL 1K 0.25% 1/8W
R114	1-218-411-11	METAL 3.9K 0.25% 1/8W
R121	1-249-433-11	CARBON MELF 22K 5% 1/5W
R122	1-249-433-11	CARBON MELF 22K 5% 1/5W
R123	1-218-397-11	METAL 1K 0.25% 1/8W
R124	1-218-411-11	METAL 3.9K 0.25% 1/8W
R151	1-249-433-11	CARBON MELF 22K 5% 1/5W
R152	1-249-433-11	CARBON MELF 22K 5% 1/5W
R153	1-218-397-11	METAL 1K 0.25% 1/8W
R154	1-218-411-11	METAL 3.9K 0.25% 1/8W
R161	1-249-433-11	CARBON MELF 22K 5% 1/5W
R162	1-249-433-11	CARBON MELF 22K 5% 1/5W
R163	1-218-397-11	METAL 1K 0.25% 1/8W
R164	1-218-411-11	METAL 3.9K 0.25% 1/8W
R171	1-249-433-11	CARBON MELF 22K 5% 1/5W
R172	1-249-433-11	CARBON MELF 22K 5% 1/5W
R173	1-218-397-11	METAL 1K 0.25% 1/8W
R174	1-218-411-11	METAL 3.9K 0.25% 1/8W
R181	1-249-417-11	CARBON MELF 1K 5% 1/5W
R182	1-218-397-11	METAL 1K 0.25% 1/8W
R183	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R184	1-218-411-11	METAL 3.9K 0.25% 1/8W
R201	1-215-485-00	CARBON MELF 470K 5% 1/5W
R204	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R205	1-215-477-00	CARBON MELF 220K 5% 1/5W
R206	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R207	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R208	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R209	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R210	1-215-477-00	CARBON MELF 220K 5% 1/5W
R211	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R212	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R213	1-249-413-11	CARBON MELF 470 5% 1/5W
R214	1-249-419-11	CARBON MELF 1.5K 5% 1/5W
R215	1-215-432-00	CARBON MELF 3K 5% 1/5W
R216	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R217	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R251	1-215-485-00	CARBON MELF 470K 5% 1/5W
R254	1-249-425-11	CARBON MELF 4.7K 5% 1/5W

Ref.No.	Part No.	Description			
R255	1-215-477-00	CARBON MELF	220K	5%	1/5W
R256	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R257	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R258	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R259	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R260	1-215-477-00	CARBON MELF	220K	5%	1/5W
R261	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R262	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R263	1-249-413-11	CARBON MELF	470	5%	1/5W
R264	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R265	1-215-432-00	CARBON MELF	3K	5%	1/5W
R266	1-249-426-11	CARBON MELF	5.6K	5%	1/5W
R267	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R281	1-249-389-11	CARBON MELF	4.7	5%	1/5W
R282	1-249-389-11	CARBON MELF	4.7	5%	1/5W
R301	1-249-441-11	CARBON MELF	100K	5%	1/5W
R302	1-249-441-11	CARBON MELF	100K	5%	1/5W
R303	1-249-441-11	CARBON MELF	100K	5%	1/5W
R304	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R305	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R306	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R311	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R312	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R313	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R314	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R315	1-215-485-00	CARBON MELF	470K	5%	1/5W
R316	1-215-464-00	CARBON MELF	62K	5%	1/5W
R317	1-215-464-00	CARBON MELF	62K	5%	1/5W
R318	1-215-485-00	CARBON MELF	470K	5%	1/5W
R319	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R320	1-249-393-11	CARBON MELF	10	5%	1/5W
R351	1-249-441-11	CARBON MELF	100K	5%	1/5W
R352	1-249-441-11	CARBON MELF	100K	5%	1/5W
R353	1-249-441-11	CARBON MELF	100K	5%	1/5W
R354	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R355	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R356	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R361	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R362	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R363	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R364	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R365	1-215-485-00	CARBON MELF	470K	5%	1/5W
R366	1-215-464-00	CARBON MELF	62K	5%	1/5W
R367	1-215-464-00	CARBON MELF	62K	5%	1/5W
R368	1-215-485-00	CARBON MELF	470K	5%	1/5W
R369	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R370	1-249-393-11	CARBON MELF	10	5%	1/5W
R401	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R402	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R403	1-215-489-00	CARBON MELF	680K	5%	1/5W
R404	1-215-472-00	CARBON MELF	130K	5%	1/5W
R405	1-249-435-11	CARBON MELF	33K	5%	1/5W
R406	1-215-479-00	CARBON MELF	270K	5%	1/5W
R407	1-215-479-00	CARBON MELF	270K	5%	1/5W
R408	1-215-479-00	CARBON MELF	270K	5%	1/5W
R409	1-249-414-11	CARBON MELF	560	5%	1/5W
R411	1-249-433-11	CARBON MELF	22K	5%	1/5W

Ref.No.	Part No.	Description			
R412	1-249-431-11	CARBON MELF	15K	5%	1/5W
R413	1-249-429-11	CARBON MELF	10K	5%	1/5W
R414	1-249-436-11	CARBON MELF	39K	5%	1/5W
R415	1-215-454-00	CARBON MELF	24K	5%	1/5W
R416	1-249-431-11	CARBON MELF	15K	5%	1/5W
R417	1-215-471-00	CARBON MELF	120K	5%	1/5W
R421	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R422	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R423	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R424	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R425	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R426	1-215-430-00	CARBON MELF	2.4K	5%	1/5W
R427	1-215-485-00	CARBON MELF	470K	5%	1/5W
R428	1-249-393-11	CARBON MELF	10	5%	1/5W
R429	1-249-409-11	CARBON MELF	220	5%	1/5W
R451	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R452	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R453	1-215-489-00	CARBON MELF	680K	5%	1/5W
R454	1-215-472-00	CARBON MELF	130K	5%	1/5W
R455	1-249-435-11	CARBON MELF	33K	5%	1/5W
R456	1-215-479-00	CARBON MELF	270K	5%	1/5W
R457	1-215-479-00	CARBON MELF	270K	5%	1/5W
R458	1-215-479-00	CARBON MELF	270K	5%	1/5W
R459	1-249-414-11	CARBON MELF	560	5%	1/5W
R461	1-249-433-11	CARBON MELF	22K	5%	1/5W
R462	1-249-431-11	CARBON MELF	15K	5%	1/5W
R463	1-249-429-11	CARBON MELF	10K	5%	1/5W
R464	1-249-436-11	CARBON MELF	39K	5%	1/5W
R465	1-215-454-00	CARBON MELF	24K	5%	1/5W
R466	1-249-431-11	CARBON MELF	15K	5%	1/5W
R467	1-215-471-00	CARBON MELF	120K	5%	1/5W
R471	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R472	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R473	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R474	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R475	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R476	1-215-430-00	CARBON MELF	2.4K	5%	1/5W
R477	1-215-485-00	CARBON MELF	470K	5%	1/5W
R478	1-249-393-11	CARBON MELF	10	5%	1/5W
R479	1-249-409-11	CARBON MELF	220	5%	1/5W
R501	1-249-441-11	CARBON MELF	100K	5%	1/5W
R502	1-249-441-11	CARBON MELF	100K	5%	1/5W
R503	1-249-441-11	CARBON MELF	100K	5%	1/5W
R504	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R505	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R506	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R511	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R512	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R513	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R514	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R515	1-215-485-00	CARBON MELF	470K	5%	1/5W
R516	1-215-464-00	CARBON MELF	62K	5%	1/5W
R517	1-215-464-00	CARBON MELF	62K	5%	1/5W
R518	1-215-485-00	CARBON MELF	470K	5%	1/5W
R519	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R520	1-249-393-11	CARBON MELF	10	5%	1/5W
R551	1-249-441-11	CARBON MELF	100K	5%	1/5W

Ref.No.	Part No.	Description			
R552	1-249-441-11	CARBON MELF	100K	5%	1/5W
R553	1-249-441-11	CARBON MELF	100K	5%	1/5W
R554	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R555	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R556	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R561	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R562	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R563	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R564	1-215-438-00	CARBON MELF	5.1K	5%	1/5W
R565	1-215-485-00	CARBON MELF	470K	5%	1/5W
R566	1-215-464-00	CARBON MELF	62K	5%	1/5W
R567	1-215-464-00	CARBON MELF	62K	5%	1/5W
R568	1-215-485-00	CARBON MELF	470K	5%	1/5W
R569	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R570	1-249-393-11	CARBON MELF	10	5%	1/5W
R601	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R602	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R603	1-215-489-00	CARBON MELF	680K	5%	1/5W
R604	1-215-472-00	CARBON MELF	130K	5%	1/5W
R605	1-249-435-11	CARBON MELF	33K	5%	1/5W
R606	1-215-479-00	CARBON MELF	270K	5%	1/5W
R607	1-215-479-00	CARBON MELF	270K	5%	1/5W
R608	1-215-479-00	CARBON MELF	270K	5%	1/5W
R609	1-249-414-11	CARBON MELF	560	5%	1/5W
R611	1-249-433-11	CARBON MELF	22K	5%	1/5W
R612	1-249-431-11	CARBON MELF	15K	5%	1/5W
R613	1-249-429-11	CARBON MELF	10K	5%	1/5W
R614	1-249-436-11	CARBON MELF	39K	5%	1/5W
R615	1-215-454-00	CARBON MELF	24K	5%	1/5W
R616	1-249-431-11	CARBON MELF	15K	5%	1/5W
R617	1-215-471-00	CARBON MELF	120K	5%	1/5W
R621	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R622	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R623	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R624	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R625	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R626	1-215-430-00	CARBON MELF	2.4K	5%	1/5W
R627	1-215-485-00	CARBON MELF	470K	5%	1/5W
R628	1-249-393-11	CARBON MELF	10	5%	1/5W
R629	1-249-409-11	CARBON MELF	220	5%	1/5W
R651	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R652	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R653	1-215-489-00	CARBON MELF	680K	5%	1/5W
R654	1-215-472-00	CARBON MELF	130K	5%	1/5W
R655	1-249-435-11	CARBON MELF	33K	5%	1/5W
R656	1-215-479-00	CARBON MELF	270K	5%	1/5W
R657	1-215-479-00	CARBON MELF	270K	5%	1/5W
R658	1-215-479-00	CARBON MELF	270K	5%	1/5W
R659	1-249-414-11	CARBON MELF	560	5%	1/5W
R661	1-249-433-11	CARBON MELF	22K	5%	1/5W
R662	1-249-431-11	CARBON MELF	15K	5%	1/5W
R663	1-249-429-11	CARBON MELF	10K	5%	1/5W
R664	1-249-436-11	CARBON MELF	39K	5%	1/5W
R665	1-215-454-00	CARBON MELF	24K	5%	1/5W
R666	1-249-431-11	CARBON MELF	15K	5%	1/5W
R667	1-215-471-00	CARBON MELF	120K	5%	1/5W
R671	1-249-424-11	CARBON MELF	3.9K	5%	1/5W

Ref.No.	Part No.	Description			
R672	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R673	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R674	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R675	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R676	1-215-430-00	CARBON MELF	2.4K	5%	1/5W
R677	1-215-485-00	CARBON MELF	470K	5%	1/5W
R678	1-249-393-11	CARBON MELF	10	5%	1/5W
R679	1-249-409-11	CARBON MELF	220	5%	1/5W
R701	1-249-423-11	CARBON MELF	3.3K	5%	1/5W
R702	1-249-434-11	CARBON MELF	27K	5%	1/5W
R703	1-249-422-11	CARBON MELF	2.7K	5%	1/5W
R704	1-249-434-11	CARBON MELF	27K	5%	1/5W
R705	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R706	1-249-427-11	CARBON MELF	6.8K	5%	1/5W
R711	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R712	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R713	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R714	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R715	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R716	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R717	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R718	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R719	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R720	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R721	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R722	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R723	1-215-485-00	CARBON MELF	470K	5%	1/5W
R731	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R732	1-249-441-11	CARBON MELF	100K	5%	1/5W
R733	1-249-441-11	CARBON MELF	100K	5%	1/5W
R734	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R735	1-215-432-00	CARBON MELF	3K	5%	1/5W
R736	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R737	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R738	1-249-393-11	CARBON MELF	10	5%	1/5W
R751	1-249-423-11	CARBON MELF	3.3K	5%	1/5W
R752	1-249-434-11	CARBON MELF	27K	5%	1/5W
R753	1-249-422-11	CARBON MELF	2.7K	5%	1/5W
R754	1-249-434-11	CARBON MELF	27K	5%	1/5W
R755	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R756	1-249-427-11	CARBON MELF	6.8K	5%	1/5W
R761	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R762	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R763	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R764	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R765	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R766	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R767	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R768	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R769	1-215-444-00	CARBON MELF	9.1K	5%	1/5W
R770	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R771	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R772	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R773	1-215-485-00	CARBON MELF	470K	5%	1/5W
R781	1-249-420-11	CARBON MELF	1.8K	5%	1/5W
R782	1-249-441-11	CARBON MELF	100K	5%	1/5W
R783	1-249-441-11	CARBON MELF	100K	5%	1/5W

Ref.No.	Part No.	Description			
R784	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R785	1-215-432-00	CARBON MELF	3K	5%	1/5W
R786	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R787	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R788	1-249-393-11	CARBON MELF	10	5%	1/5W
R801	1-249-429-11	CARBON MELF	10K	5%	1/5W
R802	1-249-417-11	CARBON MELF	1K	5%	1/5W
R803	1-249-429-11	CARBON MELF	10K	5%	1/5W
R804	1-249-417-11	CARBON MELF	1K	5%	1/5W
R805	1-249-429-11	CARBON MELF	10K	5%	1/5W
R806	1-249-417-11	CARBON MELF	1K	5%	1/5W
R807	1-249-429-11	CARBON MELF	10K	5%	1/5W
R808	1-249-417-11	CARBON MELF	1K	5%	1/5W
R809	1-249-429-11	CARBON MELF	10K	5%	1/5W
R810	1-249-417-11	CARBON MELF	1K	5%	1/5W
R851	1-249-429-11	CARBON MELF	10K	5%	1/5W
R852	1-249-417-11	CARBON MELF	1K	5%	1/5W
R853	1-249-429-11	CARBON MELF	10K	5%	1/5W
R854	1-249-417-11	CARBON MELF	1K	5%	1/5W
R855	1-249-429-11	CARBON MELF	10K	5%	1/5W
R856	1-249-417-11	CARBON MELF	1K	5%	1/5W
R857	1-249-429-11	CARBON MELF	10K	5%	1/5W
R858	1-249-417-11	CARBON MELF	1K	5%	1/5W
R859	1-249-429-11	CARBON MELF	10K	5%	1/5W
R860	1-249-417-11	CARBON MELF	1K	5%	1/5W
R901	1-249-431-11	CARBON MELF	15K	5%	1/5W
R905	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R906	1-249-413-11	CARBON MELF	470	5%	1/5W
R907	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R908	1-249-413-11	CARBON MELF	470	5%	1/5W
R909	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R910	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R921	1-249-437-11	CARBON MELF	47K	5%	1/5W
R922	1-249-413-11	CARBON MELF	470	5%	1/5W
R923	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R924	1-249-419-11	CARBON MELF	1.5K	5%	1/5W
R925	1-249-424-11	CARBON MELF	3.9K	5%	1/5W
R926	1-249-422-11	CARBON MELF	2.7K	5%	1/5W
R927	1-249-413-11	CARBON MELF	470	5%	1/5W
R928	1-249-413-11	CARBON MELF	470	5%	1/5W
R952	1-249-437-11	CARBON MELF	47K	5%	1/5W
R953	1-249-437-11	CARBON MELF	47K	5%	1/5W
R954	1-249-433-11	CARBON MELF	22K	5%	1/5W
R955	1-249-433-11	CARBON MELF	22K	5%	1/5W
R956	1-249-437-11	CARBON MELF	47K	5%	1/5W

Ref.No.	Part No.	Description			
R957	1-215-477-00	CARBON MELF	220K	5%	1/5W
R958	1-249-413-11	CARBON MELF	470	5%	1/5W
R959	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
RV311	1-238-585-11	RES, VAR, CARBON	5K/5K	(LEVEL:FRONT HIGH)	
RV401	1-238-584-11	RES, VAR, CARBON	10K/10K	(MID CUT:FRONT)	
RV411	1-238-585-11	RES, VAR, CARBON	5K/5K	(LEVEL:FRONT MID)	
RV511	1-238-585-11	RES, VAR, CARBON	5K/5K	(LEVEL:REAR HIGH)	
RV601	1-238-584-11	RES, VAR, CARBON	10K/10K	(MID CUT:REAR)	
RV611	1-238-585-11	RES, VAR, CARBON	5K/5K	(LEVEL:REAR MID)	
RV701	1-238-586-11	RES, VAR, CARBON	10K/10K	(LOW BOOST)	
RV711	1-238-585-11	RES, VAR, CARBON	5K/5K	(LEVEL:SUB WOOFER)	
SW201	1-571-942-11	SWITCH, SLIDE	(INPUT:FRONT)		
SW202	1-571-942-11	SWITCH, SLIDE	(INPUT:SUB WOOFER)		
SW203	1-571-942-11	SWITCH, SLIDE	(LOW BOOST)		
SW301	1-571-942-11	SWITCH, SLIDE	(PHASE:FRONT HIGH)		
SW311	1-571-940-11	SWITCH, SLIDE	(HI-PASS:FRONT HIGH)		
SW401	1-571-941-11	SWITCH, SLIDE	(MID CUT:FRONT)		
SW411	1-571-940-11	SWITCH, SLIDE	(HI-PASS:FRONT MID)		
SW421	1-571-940-11	SWITCH, SLIDE	(LOW-PASS:FRONT MID)		
SW501	1-571-942-11	SWITCH, SLIDE	(PHASE:REAR HIGH)		
SW511	1-571-940-11	SWITCH, SLIDE	(HI-PASS:REAR HIGH)		
SW601	1-571-941-11	SWITCH, SLIDE	(MID CUT:REAR)		
SW611	1-571-940-11	SWITCH, SLIDE	(HI-PASS:REAR MID)		
SW621	1-571-940-11	SWITCH, SLIDE	(LOW-PASS:REAR MID)		
SW701	1-571-940-11	SWITCH, SLIDE	(LOW-PASS:SUB WOOFER)		
SW731	1-571-942-11	SWITCH, SLIDE	(STEREO/MONO:SUB WOOFER)		
SW732	1-571-942-11	SWITCH, SLIDE	(PHASE:SUB WOOFER)		

ACCESSORY & PACKING MATERIAL

*3-350-760-01	INDIVIDUAL CARTON
*3-350-762-01	CUSHION
3-566-722-11	SCREW, TAPPING, HEXAGON
3-750-401-21	MANUAL, INSTRUCTION
3-750-401-11	(E,AEP)....MANUAL,INSTRUCTION
*3-764-869-11	(E,AEP)....INSTRUCTION,DBP CAUTION

